

Notice of Allowability

Application No.

10/772,835

Examiner

Elizabeth A. Bolden

Applicant(s)

KOYAMA ET AL.

Art Unit

1755

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the IDS filed 12 April 2004.
2. ☒ The allowed claim(s) is/are 15-17.
3. ☒ The drawings filed on 05 February 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☒ Certified copies of the priority documents have been received in Application No. 10/236,397.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 4/12/04&2/5/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


KARL GROUP
PRIMARY EXAMINER
GROUP/155

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Douglas Mueller on 16 November 2004.

The application has been amended as follows:

The first sentence of the specification has been amended to read as follows:

On page 1, line 3, insert the following sentence: --This is a divisional of Application No. 10/236,397, filed 9/5/2001. --.

The claims have been amended as follows:

In claim 15 lines 1 and 2, the phrase "as claimed in claim 1, comprising:" has been deleted.

In claim 15, following the phrase "high transmittance glass sheet" the following has been inserted - -formed of a soda-lime-silica glass composition comprising in wt. %, less than 0.020% of total iron oxide in terms of Fe_2O_3 and 10% to 18% of Na_2O , wherein the glass further comprises--.

Claim 17 has been amended to read as follows:

17. A method of suppressing formation of nickel sulfide in a high transmittance glass sheet, the high transmittance glass sheet having a solar radiation transmittance of 87.5% or higher and/or a visible light transmittance of 90.0% or higher on a basis of a 4.0 mm thick glass sheet, the method comprising:

preparing a glass raw material so that a content of total iron oxide in terms of Fe_2O_3 in the high transmittance glass sheet is less than 0.020 wt %, a content of zinc oxide in the high transmittance glass sheet is 0.006 to 2.0 wt % and a content of sodium oxide in the high transmittance glass sheet is 10 to 18 wt %; and
melting the glass raw material.

Allowable Subject Matter

Claims 15-17 are allowed.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

The prior art fail to disclose or suggest a method of manufacturing or a method of suppressing formation of nickel sulfide in a high transmittance glass sheet wherein the glass sheet comprises a soda-lime-silica glass comprising the amounts of total iron oxide, ZnO and Na_2O in terms of weight % as recited in the instant claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 1755

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Elizabeth A. Bolden whose telephone number is 571-272-1363. The examiner can normally be reached on 9:30 am-7:00 pm with alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark L. Bell can be reached on 571-272-1362. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

EAB
16 November 2004


KARL GROUP
PRIMARY EXAMINER
GROUP 1755